rom the ITERNATIONAL SEARCHING A⊎THOR	ITY RE	N G A N G C E I V E D					
То:	Ge	A. Dez. 2004 ewerblicher chtsschutz	PCT				
see form PCT/ISA/220	1	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY					
			(PCT Rule 43 <i>bis</i> .1)				
		Date of mailing (day/month/year)	see form PCT/ISA/210 (second sheet)				
Applicant's or agent's file reference see form PCT/ISA/220 //22	6 WOORDD1	FOR FURTHER See paragraph 2 be					
	nternational filing date (a	dayimonthiyear)	Priority date (day/monthiyear) 01.10.2003				
International Patent Classification (IPC) or both national classification and IPC C07D471/04, A61K31/437, A61K31/444, A61P25/00, A61P29/00, A61P31/00							
Applicant ALTANA PHARMA AG							
This opinion contains indications relating to the following items:							
Box No. I Basis of the opini	ion						
⊠ Box No. II Priority							
	· -	ard to novelty, inven	tive step and industrial applicability				
☐ Box No. IV Lack of unity of ir ☐ Box No. V Reasoned statem		s 1(a)(i) with regard t	to novelty, inventive step or industrial				
	ions and explanation						
Box No. VI Certain documen	its cited						
Box No. VII Certain defects in	the international app	olication					
☐ Box No. VIII Certain observati	ions on the internation	nal application					
2. FURTHER ACTION							
If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
For further options, see Form PCT	/ISA/220.						
3. For further details, see notes to Fo	rm PCT/ISA/220.						
Name and mailing address of the ISA:		Authorized Officer	abets Pelenless.				

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/052376

	Вох	No	. I Basis of the opinion			
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was field, unless otherwise indicated under this item.					
		lan	s opinion has been established on the basis of a translation from the original language into the following guage , which is the language of a translation furnished for the purposes of international search der Rules 12.3 and 23.1(b)).			
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
	a. ty	/pe	of material:			
	[]	a sequence listing			
	[table(s) related to the sequence listing			
	b. format of material:					
	[in written format			
	[in computer readable form			
	c. ti	me	of filing/furnishing:			
	[contained in the international application as filed.			
	[filed together with the international application in computer readable form.			
	[_	furnished subsequently to this Authority for the purposes of search.			
3.		ha:	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto is been filed or furnished, the required statements that the information in the subsequent or additional bies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.			
4.	Add	ditio	nal comments:			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2004/052376

_	Box	No. II	Priority
1.	⊠.	The fol	lowing document has not been furnished:
		\boxtimes	copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(a)).
			translation of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(b)).
		Consec neverth	quently it has not been possible to consider the validity of the priority claim. This opinion has neless been established on the assumption that the relevant date is the claimed priority date.
2.		has be	pinion has been established as if no priority had been claimed due to the fact that the priority claim en found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international ate indicated above is considered to be the relevant date.
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International application No. PCT/EP2004/052376

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:						
	the entire international application,					
\boxtimes	claims Nos. 15,16 with respect to IA					
because:						
⊠	the said international application, or the said claims Nos. 15,16 relate to the following subject matter which does not require an international preliminary examination (specify):					
	see separate sheet					
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):					
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.					
	no international search report has been established for the whole application or for said claims Nos.					
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:					
	the written form		has not been furnished			
			does not comply with the standard			
	the computer readable form		has not been furnished			
			does not comply with the standard			
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.					
	See separate sheet for further	detai	ds .			

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-16

No: Claims

Inventive step (IS)

Yes: Claims

1-16

No: Claims

Industrial applicability (IA)

Yes: Claims No: Claims 1-14

2. Citations and explanations

see separate sheet

Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

Claims 15 and 16 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Article 34(4)(a)(I) PCT).

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The following document are referred to in this communication:

D1: WO 00/49015 A (TAKE KAZUHIKO ;FUJISAWA PHARMACEUTICAL CO (JP); TOMISHIMA MASAKI () 24 August 2000 (2000-08-24)

Novelty and Inventive step

1) Document D1, which is considered to represent the most relevant state of the art, discloses **pyridine compounds** which are linked to a heterocyclic group such as a **benzimidazolyl group**. The compounds are having an inhibitory activity on the production of nitric oxide and are useful for the prevention and/or treatment of NOS (nitric oxide synthase)-mediated diseases.

From this, the subject-matter of the present claims differs in that the present application deals with **pyridin-2-yl-alkylene-3H-imidazo[4,5-b]pyridine** derivatives, which compounds are also having an inhibitory activity on the production of nitric oxide and are useful for the prevention and/or treatment of NOS (nitric oxide synthase)-mediated diseases.

The subject-matter these claims is therefore novel (Article 33(2) PCT)

2) The problem to be solved by the present invention may be regarded as the provision of further compounds that are having an inhibitory activity on the production of nitric oxide and are useful for the prevention and/or treatment of NOS (nitric oxide synthase)-mediated diseases.

The solution to this problem proposed in the claims of the present application is considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

The present specifically by Het1-substituted **imidazo[4,5-b]pyridine** derivatives of formula (I) are structurally very remote from any of the available prior art compounds having the same use and it is therefore considered that there were no incentives from this prior art to use the above described **pyridin-2-yl-alkylene-3H-imidazo[4,5-b]pyridine** derivatives as nitric oxide synthase inhibitors.

3) The statements in the description on page 20, third paragraph, implies that the subject-matter for which protection is sought may be different to that defined by the claims, thereby resulting in lack of clarity (Article 6 PCT) when used to interpret them.

Industrial applicability

4) For the assessment of the present claims 15 and 16 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.